

Exhibit B

Table 7

Lines 188035 - 188829

GAM NAME	GAM RNA SEQUENCE	TARGET REF-ID	UTR	TARGET BS-SEQ	BINDING-SITE DRAW (UPPER:GAM;LOWER:TARGET)	GAM POS
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ABCC3 NM_020038.1	3	TAGCAAACTGG GGGCACCTTA	AT CA- TAAGTGC CTAGTG GTTA ATTCCACG GGTAC CGAT GG AAA	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ARCN1 NM_001655.3	3	TAACTGCATCAGG GAAGAATTCITA	TGCA--- A TAAG TCT GTGCAGTTA ATTCT GGA TACGTCAAT TAAGAAAG C	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ARHGEF7 NM_003899.2	3	TAACTGCACCTGA ATCCITTGTGTAC T	TAA ----- TA GGTGCA TC GTGCAGTTA TCATGT AG CACGTCAAT --- GTTTCCCTA TC	A
GAM2608	TAAGGTGCATC TAGTGCAGTTA	ATP7A NM_000052.1	3	GACTCACCTATGT GGCACCTTA	- C - C TAAGTGC AT TAG TG AGTT ATTCCACG TG ATC AC TCAG G T C -	A

GAM2608	TAAGGTGCATC AXL TAGTGCAGTTA	NM_021913.2	3	CCACTGCACTCAA CCTTA	GCATCT TAAGGT ATTCCA AC----	TA AGTGCAGT TCACGTCA CC	A
GAM2608	TAAGGTGCATC BACE TAGTGCAGTTA	NM_138972.1	3	CAGTGCACCTGGT GCTGCTTTG	- T T TAAGGT GCATC AGTGCAGT GTTTCG CGTGG TCACGTCA T T C	A	
GAM2608	TAAGGTGCATC BACE TAGTGCAGTTA	NM_138973.1	3	CCACTGCACTTGG TGCTGCTTTG	- T TA TAAGGT GCATC AGTGCAGT GTTTCG CGTGG TCACGTCA T T CC	A	
GAM2608	TAAGGTGCATC BENE TAGTGCAGTTA	NM_005434.2	3	TAACTGCACGTGC CTTC	T TG ATCTA AAGG C GTGCAGTTA TTCC G CACGTCAAT C GT -----	A	
GAM2608	TAAGGTGCATC BRCA2 TAGTGCAGTTA	NM_000059.1	5	GAACTGCACCTCT GGAGCGGACTTA	G- A --- TAAG TGC TCTA GTGCAGTT ATTG GCG AGGT CACGTCAA AG - CTC G	A	
GAM2608	TAAGGTGCATC C7 TAGTGCAGTTA	NM_000587.1	3	GATTGCACTAGAG AAACTTGAATGCT	TA----- GCA AGGT TCTAGTGCAGTT TTCA AGATCACGTTAG TCGTAAG AAG	A	
GAM2608	TAAGGTGCATC CALCB TAGTGCAGTTA	NM_000728.2	3	TAATTGCCCTGC ACCTTT	T TCTAGT AAGGTGCA GCAGTTA TTCCACGT CGTTAAT T CCC---	A	
GAM2608	TAAGGTGCATC CALCB TAGTGCAGTTA	NM_000728.2	3	TAATTGCCCTGC ACCTTTGTCAA	T----- TCTAGT AAGGTGCA GCAGTTA TTCCACGT CGTTAAT AACTGT CCC---	A	
GAM2608	TAAGGTGCATC CASP3 TAGTGCAGTTA	NM_032991.1	3	TAACTGCATTITTA GACCATTAT	TA CA -- AGGTG TCTA GTGCAGTTA TTTAC AGAT TACGTCAAT	A	

TA C- TT

GAM2608	TAAGGTGCATC CCR2	NM_000648.1	3	TATGGCACCCATG	CTA	AGTT	A
	TAGTGCAGTTA			CACCTTA	TAAGGTGCAT	GTGC	
					ATTCCACGTA	CACG	
					CC-	GTAT	
GAM2608	TAAGGTGCATC CCR3	NM_178329.1	5	AACTGCACGAAAG T-----	ATCTA		A
	TAGTGCAGTTA			TATCTTTCTGAAA	AAAGTGC	GTGCAGTT	
					TTCTATG	CACGTCAA	
				AAAGTCT	AAAG-		
GAM2608	TAAGGTGCATC COCH	NM_004086.1	3	TAACTGCAGAAAA	G	TCTAG-----	A
	TAGTGCAGTTA			AAATATTGTAGTTT	TAAG TGCA	TGCAGTTA	
				G	GTTT ATGT	ACGTCAA	
					G	TATAAAAAG	
GAM2608	TAAGGTGCATC CREBL2	NM_001310.2	3	AGATTGTATTTTT	TCT	A	A
	TAGTGCAGTTA			GCACCTTA	TAAGGTGCA	AGTGCAGTT	
					ATTCCACGT	TTATGTTAG	
					TT-	A	
GAM2608	TAAGGTGCATC CREBL2	NM_001310.2	3	GATTGTATTTTTG	TCT		A
	TAGTGCAGTTA			CACCTTA	TAAGGTGCA	AGTGCAGTT	
					ATTCCACGT	TTATGTTAG	
					TT-		
GAM2608	TAAGGTGCATC CTNNB1	NM_001903.1	3	TAACTGCAGTGT	CATC	G	A
	TAGTGCAGTTA			TCCGCCCTG	TAAGGTG	TA TGCAGTTA	
					GTCCGC	GT ACGTCAAT	
					CITT	G	
GAM2608	TAAGGTGCATC DDEF2	NM_003887.1	3	TAACTGCATTGT TAA	T-----		A
	TAGTGCAGTTA			TGTGATGGTGCAT	GGTGCATC	AGTGCAGTTA	
				T	TTACGTGG	TTACGTCAAT	
				---	TAGTGTGT		
GAM2608	TAAGGTGCATC DMN	NM_015286.4	3	AGACTTGCCTTC	TCT-	- A	A
	TAGTGCAGTTA			TCTGCACCTTA	TAAGGTGCA	AGTGCA GTT	
					ATTCCACGT	TCGCGT CAG	
					CICT	T A	

GAM2608	TAAGGTGCATC DMN TAGTGCAGTTA	NM_145728.1	3	GACTTGCCTTCT CTGCACCTTA	TCT- TAAGGTGCA ATTCCACGT CTCT	- AGTGCA GTT TCGCGT CAG T	A
GAM2608	TAAGGTGCATC DNASE1 TAGTGCAGTTA	NM_005223.2	5	CCACTGCACCTCCA GCCTTG	GCATCT TAAGGT GTTCCG ACC---	TA AGTGCAGT TCACGTCA CC	A
GAM2608	TAAGGTGCATC E2F1 TAGTGCAGTTA	NM_005225.1	3	TAAGTGCACCTTC GSCCCTTT	T T ATCT AAGG GC TTCC CG T - GCTT	AGTGCAGTTA TCACGTCAAT	A
GAM2608	TAAGGTGCATC E2F1 TAGTGCAGTTA	NM_005225.1	3	TAAGTGCACCTTC GSCCCTTTTGCTC G	T----- AAGG GC TTCC CG GCTCGTT - GCTT	T ATCT AGTGCAGTTA TCACGTCAAT	A
GAM2608	TAAGGTGCATC EGR4 TAGTGCAGTTA	NM_001965.1	3	TAAGTGCACACGC CCCACGCCCTTC TTCCGC C	T AAGGTG TTCCGC ACCCCGCA	CATCTA-- GTGCAGTTA CACGTCAAT	A
GAM2608	TAAGGTGCATC ELAVL2 TAGTGCAGTTA	NM_004432.1	5	GAAGTGCACCGTT ACTTTA	C CTA TAAGGTG AT ATTTCAT TG - C--	A GTGCAGTT CACGTCAA G	A
GAM2608	TAAGGTGCATC EML1 TAGTGCAGTTA	NM_004434.1	3	TGACTGATGAAGT GCACCTTT	T CTA G AAGGTGCAT TTCCACGTG T AAG -	GT CAGTTA TA GTCAGT	A
GAM2608	TAAGGTGCATC EML1 TAGTGCAGTTA	NM_004434.1	3	TGACTGATGAAGT GCACCTTTCARAA	T----- AAGGTGCAT TTCCACGTG AAACT	CTA G GT CAGTTA TA GTCAGT AAG -	A
GAM2608	TAAGGTGCATC EN1 TAGTGCAGTTA	NM_003633.1	3	AACTGCTGCACC TTG	TCTAGT TAAGGTGCA GTTCCACGT	TTA GCAG CGTC	A

					-----	TAA	
GAM2608	TAAGGTGCATC ESRRG	NM_001438.1	3	GAAGTGCACGGGC	GCAT A	A	A
	TAGTGCAGTTA			TTTA	TAAGGT	CT GTGCAGTT	
					ATTTCG	GG CACGTCAA	
					----	- G	
GAM2608	TAAGGTGCATC EXT1	NM_000127.1	5	AGCTGCAAGATGC	TAA-----	AG	A
	TAGTGCAGTTA			ACTAGCCGGCT		GGTGCATCT TGCAGTT	
						TCACGTAGA ACGTCGA	
						TCGGCCGA --	
GAM2608	TAAGGTGCATC FACL3	NM_004457.2	3	TAGCTTATTTAAA	ATCT--	C	A
	TAGTGCAGTTA			AAGCACCTTA	TAAGGTGC	AGTG AGTTA	
					ATTCCACG	TTAT TCGAT	
					AAAAAT	-	
GAM2608	TAAGGTGCATC FBXL3A	NM_012158.1	3	AAACTGCATGATG	A-- TA-	A	A
	TAGTGCAGTTA			AATAGCACCTTA	TAAGGTGC	TC GTGCAGTT	
					ATTCCACG	AG TACGTCAA	
					ATA TAG	A	
GAM2608	TAAGGTGCATC FBXL3A	NM_012158.1	3	AACTGCATGATGA	A-- TA-		A
	TAGTGCAGTTA			ATAGCACCTTA	TAAGGTGC	TC GTGCAGTT	
					ATTCCACG	AG TACGTCAA	
					ATA TAG		
GAM2608	TAAGGTGCATC FNTA	NM_002027.1	3	TAAGTGCAGTGCA	TA C AGT		A
	TAGTGCAGTTA			CTTGT	AGGTG ATCT	GCAGTTA	
					TTCAC TGGA	CGTCAAT	
					TG - ---		
GAM2608	TAAGGTGCATC FOSB	NM_006732.1	5	CGGCTCACCCCGG	-- A-- C A	A	A
	TAGTGCAGTTA			ACTTGCACTTA	TAAGGTGCA	TCT GTG AGTT	
					ATTCCACGT	AGG CAC TCGG	
					TC CCC	- C	
GAM2608	TAAGGTGCATC G6PC	NM_000151.1	5	TAAGTGCAGGGGC	T - T-----	AG	A
	TAGTGCAGTTA			TCTGCTGACATCT	AAGGTG CA	CT TGCAGTTA	
				T	TTCTAC GT	GG ACGTCAAT	
					- A CGTCTC	GA	

GAM2608	TAAGGTGCATC GAS2 TAGTGCAGTTA	NM_177553.1	5	TAAGTGCAGCTGG GGTCTGATTTCG C	TAA T GG GCA CC CGT	----- TCTAG TGCAGTT GGGTC ACGTCAA	-	A
						---	-	TTAGTCTG G
								A
								T
GAM2608	TAAGGTGCATC GJB3 TAGTGCAGTTA	NM_024009.1	5	TAAGTGCAACTTC ACAGTATAGTA	AG ATCT- TA GTGC AT TATG	- AGT GCAGTT TCA CGTCAAT		A
					GA	ACACT A		
GAM2608	TAAGGTGCATC GLRA3 TAGTGCAGTTA	NM_006529.1	5	GAACTGTTGCCCA GCACCTTA	ATCTAGT TAAGGTGC ATTCCACG	A GCAGTT TGTCAA		A
					ACCCGT-	G		
GAM2608	TAAGGTGCATC GLRB TAGTGCAGTTA	NM_000824.2	3	TGATTGTAATAAA ACTGTGGCACCCTT A	ATC TAAGGTGC ATTCCACG	----- TAGT GCAGTTA GTCA TGTTAGT		A
					GT-	AAATAA		
GAM2608	TAAGGTGCATC GLS TAGTGCAGTTA	NM_014905.2	3	TACATGCCTGATG GCACCTTA	- T T - T TAAGGTGC ATC AG GCA GT ATTCCACG TAG TC CGT CA		A	
					G - - A T			
GAM2608	TAAGGTGCATC GLS TAGTGCAGTTA	NM_014905.2	3	TTACATGCCCTGAT GGCACCTTA	- T T - TA TAAGGTGC ATC AG GCA GT ATTCCACG TAG TC CGT CA		A	
					G - - A TT			
GAM2608	TAAGGTGCATC GLUD1 TAGTGCAGTTA	NM_005271.1	3	TAAGTGCATGGCT TAACCTGG	TA GCATCTA AGGT GTGCAGTTA TCCA TAGTCAAT		A	
					GG	ATTGG-		
GAM2608	TAAGGTGCATC GPR81 TAGTGCAGTTA	NM_032554.2	3	GAACTGCACAGCC CTTG	T ATCTA TAAGG GC GTGCAGTT	A	A	

					GTTC CG	CAGGTCAA		
					- A----	G		
GAM2608	TAAGGTGCATC GRIAL	NM_000827.2	3	AACTGCACGTGT	CATC	A		A
	TAGTGCAGTTA			TTATTTTA	TAAGGTG	TAGTGCAGTT		
					ATTTTAT	GTCAAGTCAA		
					TTT-	A		
GAM2608	TAAGGTGCATC GRIAL	NM_000827.2	3	AACTGCACGTGTT	CATC			A
	TAGTGCAGTTA			TATTTTA	TAAGGTG	TAGTGCAGTT		
					ATTTTAT	GTCAAGTCAA		
					TTT-			
GAM2608	TAAGGTGCATC GRM1	NM_000838.2	3	TAAGTGCATTAG	T --- -			A
	TAGTGCAGTTA			AAATTGCTTTTG	TAAGG GCA	TCTAGT GCAGTTA		
					GTTTT TGT	AGATTG CGTCAAT		
					C TAA	A		
GAM2608	TAAGGTGCATC GTF2H1	NM_005316.2	5	TAGCTTCCACCTG	T TCTA C-			A
	TAGTGCAGTTA			CACCTTC	AAGGTGCA	GTG AGTTA		
					TTCCACGT	CAC TCGAT		
					C C---	CT		
GAM2608	TAAGGTGCATC H3F3B	NM_005324.2	3	TGACTGCACATTGT	AG CATCT-			A
	TAGTGCAGTTA			TCTCATAGTA	TA GTG	AGTGCAGTTA		
					AT TAC	TCACGTCACT		
					GA TCITGT			
GAM2608	TAAGGTGCATC HMG2	NM_003483.3	3	TAAGTGCAGTTGA	T G TCTAG			A
	TAGTGCAGTTA			CTTTC	AAGGT CA	TGCAGTTA		
					TTTCA GT	ACGTCAAT		
					C - TG---			
GAM2608	TAAGGTGCATC HPSE	NM_006665.2	3	AACTATCTATTT	TC TGC	A		A
	TAGTGCAGTTA			GCACCTTA	TAAGGTGCA	TAG AGTT		
					ATTCCACGT	ATC TCAA		
					TT TA-	A		
GAM2608	TAAGGTGCATC HPSE	NM_006665.2	3	AACTATCTATTTG	TC TGC			A
	TAGTGCAGTTA			CACCTTA	TAAGGTGCA	TAG AGTT		
					ATTCCACGT	ATC TCAA		
					TT TA-			

GAM2608	TAAGGTGCATC HSD17B4 NM_000414.1	3	TAACGTGCAGATT T	C--	AGT	A
	TAGTGCAGTTA		TCATTTTC	AAGGTG	ATCT GCAGTTA	
				TTTAC	TAGA CGTCAAT	
			C	TTT	---	
GAM2608	TAAGGTGCATC ICMT NM_012405.2	3	TCACGTGCACITTC	GCATCT--	TA	A
	TAGTGCAGTTA		TTCTTGCCTTA	TAAGGT	AGTGCAGT	
				ATTCCG	TCACGTCA	
				TCCTTCTT	CT	
GAM2608	TAAGGTGCATC IFNA1 NM_024013.1	3	TAACGTGCATGTGC T	CTA	CA	A
	TAGTGCAGTTA		ACCTTT	AAGGTGCAT	GTG GTTA	
				TTCCACGTG	TAC CAAT	
			T	---	TG	
GAM2608	TAAGGTGCATC IRBKG NM_003639.2	3	GAGCTGGCCGCGG	ATCTA	G A	A
	TAGTGCAGTTA		CACCTTA	TAAGGTGC	GT CAGTT	
				ATTCCACG	CG GTCGA	
				GGCG-	- G	
GAM2608	TAAGGTGCATC IL1RN NM_173843.1	5	TAACGTGCATAAGT T	G --	A	A
	TAGTGCAGTTA		AATGACTTTC	AAGGT CAT	CT GTGCAGTTA	
				TTTCA GTA	GA TACGTCAAT	
			C	-	AT A	
GAM2608	TAAGGTGCATC IL1RN NM_173843.1	5	TAACGTGCATAAGT T----	G --	A	A
	TAGTGCAGTTA		AATGACTTTTCAGT	AAGGT CAT	CT GTGCAGTTA	
			G	TTTCA GTA	GA TACGTCAAT	
			GTGAC	-	AT A	
GAM2608	TAAGGTGCATC IRAK1 NM_001569.2	3	TGACGTGCACCTCCA TA	GCATCT		A
	TAGTGCAGTTA		GCCTGG	AGGT	AGTGCAGTTA	
				TCCG	TCACGTCACT	
			GG	ACC---		
GAM2608	TAAGGTGCATC IREB2 XM_039114.3	3	TAACGTGCAAGGGA TA	G-	AG	A
	TAGTGCAGTTA		TGGAACCTGC	AGGT CATCT	TGCAGTTA	
				TCCA GTAGG	ACGTCAAT	
			CG	AG	GA	
GAM2608	TAAGGTGCATC IRF2 NM_002199.2	3	ACATTGCAGTCTG	TC--	-- TA	A

	TAGTGCAGTTA				CTTCTGCACCTTA	TAAGGTGCA	TAG	TGCA	
						ATTCCACGT	GTC	ACGTTA	
							CTTC	TG	CA
GAM2608	TAAGGTGCATC ITGA2	NM_002203.2	3	AATTAGCAGGTGC	T-----		A	GC	A
	TAGTGCAGTTA			ACCTTCTGTGG		AAGGTGCATCT	GT	AGTT	
						TTCCACGTGGA	CG	TTRA	
						GGTGTC	-	A-	
GAM2608	TAAGGTGCATC ITPKB	NM_002221.1	3	AACTGCACTACAA	CATC-				A
	TAGTGCAGTTA			GACACTTTG	TAAGGTG	TAGTGCAGTT			
					GTTTCAC	ATCACGTCAA			
						AGAAC			
GAM2608	TAAGGTGCATC ITPKB	NM_002221.1	3	GAACTGCACTACA	CATC-		A		A
	TAGTGCAGTTA			AGACACTTTG	TAAGGTG	TAGTGCAGTT			
					GTTTCAC	ATCACGTCAA			
						AGAAC	G		
GAM2608	TAAGGTGCATC JRK	NM_003724.1	5	TGACTGCACTGCC	TA	----	AT	---	A
	TAGTGCAGTTA			AGGAGCCAAGGCC	AGGT		GC	CT	AGTGCAGTTA
				T	TCG	CG	GA	TCACGTCACT	
					--	GAAC	AG	CCG	
GAM2608	TAAGGTGCATC KIF3B	NM_004798.2	3	GGTCTGCCCACT		T	---	TTA	A
	TAGTGCAGTTA			GGTGCACCTTG	TAAGGTGCA	CTAGT	GCAG		
					GTTCCACGT	GGTCA	CGTC		
						-	CAC	TGG	
GAM2608	TAAGGTGCATC KIF3B	NM_004798.2	3	GCTGCCACACTG		T	---	TT	A
	TAGTGCAGTTA			GTGCACCTTG	TAAGGTGCA	CTAGT	GCAG		
					GTTCCACGT	GGTCA	CGTC		
						-	CAC	TG	
GAM2608	TAAGGTGCATC LAMP1	NM_005561.2	3	TACTGCACTCAGA	GC--	-		T	A
	TAGTGCAGTTA			TTTAAGCCTTA	TAAGGT	ATCT	AGTGCAGT		
					ATTCCG	TAGA	TCACGTCA		
					AATT	C		T	
GAM2608	TAAGGTGCATC LAMP1	NM_005561.2	3	TTACTGCACTCAG	GC--	-		TA	A
	TAGTGCAGTTA			ATTTAAGCCTTA	TAAGGT	ATCT	AGTGCAGT		
					ATTCCG	TAGA	TCACGTCA		
					AATT	C		TT	

GAM2608	TAAGGTGCATC LHCGR	NM_000233.1	3	TAAGTGCATTATT	T	--	--	A
	TAGTGCAGTTA			GAATTGTTCTTA	TAAGG	GCA	TC	TAGTGCAGTTA
					ATTCT	TGT	AG	ATTACGTCAAT
					-	TA	TT	
GAM2608	TAAGGTGCATC LHX1	NM_005568.2	5	GACAAAAGCAGAT		A	GCA-	A
	TAGTGCAGTTA			GCACITTG	TAAGGTGCATCT	GT	GTT	
					GTTTCACGTAGA	CG	CAG	
					-	AAAA		
GAM2608	TAAGGTGCATC LIFR	NM_002310.2	5	AACTGCACTTGCA	TAA-----	---	TCT	A
	TAGTGCAGTTA			AGACCATTATCAA		GGT	GCA	AGTGCAGTT
						CCA	CGT	TCACGTCAA
					AACTATTA	GAA	---	
GAM2608	TAAGGTGCATC LZTR1	NM_006767.1	3	CCCCTGCACTATG	T	TC	TTA	A
	TAGTGCAGTTA			CTCTTG	TAAGG	GCA	TAGTGCAG	
					GTTCCT	CGT	ATCACGTC	
					-	--	CCC	
GAM2608	TAAGGTGCATC MAP3K8	NM_005204.2	5	ACACTGCACTGAG		A	T	TA
	TAGTGCAGTTA			CACTTTA	TAAGGTGC	TC	AGTGCAGT	
					ATTTACAG	AG	TCACGTCA	
					-	-	CA	
GAM2608	TAAGGTGCATC MAP3K8	NM_005204.2	5	CACTGCACTGAGC		A	T	T
	TAGTGCAGTTA			ACTTTA	TAAGGTGC	TC	AGTGCAGT	
					ATTTACAG	AG	TCACGTCA	
					-	-	C	
GAM2608	TAAGGTGCATC MAP4K5	NM_006575.2	3	AAACTGCACTATG		C	-	A
	TAGTGCAGTTA			ATTTGCTTTA	TAAGGTG	ATC	TAGTGCAGTT	
					ATTTCGT	TAG	ATCACGTCAA	
					T	T	A	
GAM2608	TAAGGTGCATC MAP4K5	NM_006575.2	3	AACTGCACTATGA		C	-	A
	TAGTGCAGTTA			TTTGCTTTA	TAAGGTG	ATC	TAGTGCAGTT	
					ATTTCGT	TAG	ATCACGTCAA	
					T	T		
GAM2608	TAAGGTGCATC MAPK1	NM_002745.2	3	AGTATGTACTTCA		CT-	GTTA	A

	TAGTGCAGTTA			GTGCACCTTA	TAAGGTGCAT ATTCCACGTG ACT	AGTGCA TCATGT ATGA	
GAM2608	TAAGGTGCATC MAPK1 TAGTGCAGTTA	NM_002745.2	3	GTAATGACTTACAG TGACACCTTA	CT- TAAGGTGCAT ATTCCACGTG ACT	GTT AGTGCA TCATGT ATG	A
GAM2608	TAAGGTGCATC MASP1 TAGTGCAGTTA	NM_001879.3	3	AACATGCACCTAGA TGACAGATTG	GG - TAA TG CATCTAGTGC GTT AC GTAGATCACGT AG A	- GTT CAA A	A
GAM2608	TAAGGTGCATC MASP1 TAGTGCAGTTA	NM_001879.3	3	CACGTGTTTTCAAT AAATGCACCTTA	C GT---- TAAGGTGCAT TA ATTCCACGTA AT A AACTTT	T GCAGT TGCA C	A
GAM2608	TAAGGTGCATC MASP1 TAGTGCAGTTA	NM_001879.3	3	GAACATGCACCTAG ATGACAGATTG	GG - TAA TG CATCTAGTGC GTT AC GTAGATCACGT AG A	- A GTT CAA A G	A
GAM2608	TAAGGTGCATC MEF2C TAGTGCAGTTA	NM_002397.2	3	GACCACAATGCAC CTTTGGTTG	T----- AAGGTGCAT TTCCACGTA GTTGGT	CTA CA GTG GTT CAC CAG A-- --	A
GAM2608	TAAGGTGCATC MMP26 TAGTGCAGTTA	NM_021801.2	3	AACTGAAAGCACT AGAGCAGCCTTG	- A TAAGG TGC TCTAGTGC GTTCC ACG AGATCACG G -	---- AGTT TCRA AAG	A
GAM2608	TAAGGTGCATC MMP26 TAGTGCAGTTA	NM_021801.2	3	GAAGTGAAGCAC TAGAGCAGCCTTG	- A TAAGG TGC TCTAGTGC GTTCC ACG AGATCACG G -	---- AGTT TCRA AAG G	A
GAM2608	TAAGGTGCATC MMP3 TAGTGCAGTTA	NM_002422.2	3	GGCTGCTGCTTAG CTTGACACCTTG	T- - - TAAGGTGCA CTA GT GCAGTT GTTCCACGT GAT CG CGTCGG TC T T		A

GAM2608	TAAGGTGCATC MMP3 TAGTGCAGTTA	NM_002422.2	3	GGGCTGCTGCTTA CCTTGACCTTG	T- - - A TAAGTGCA CTA GT GCAGTT GTTCACGT GAT CG CGTCGG TC T T G	A
GAM2608	TAAGGTGCATC MYD88 TAGTGCAGTTA	NM_002468.2	3	TAGCTGCCATGCA TA CCTGT	CTAGT AGGTGCAT GCAGTTA TCCACGTA CGTCGAT TG C----	A
GAM2608	TAAGGTGCATC NAV2 TAGTGCAGTTA	NM_145117.1	3	GAACTGCACCTACC T TTCGTGTGTACTT T	TC----- AAGTGCA TAGTGCAGTT TTTCAITG ATCAGTCAA - TGTCTTCC G	A A
GAM2608	TAAGGTGCATC NEDD4 TAGTGCAGTTA	XM_046129.5	3	ACCTGCCCTTATGC ACCTTA	CT T TT TAAGGTGCAT AG GCAG ATTCCACGTA TC CGTC T- - CA	A
GAM2608	TAAGGTGCATC NEDD4 TAGTGCAGTTA	XM_046129.5	3	GACCTGCCCTTATG CACCTTA	CT T TTA TAAGGTGCAT AG GCAG ATTCCACGTA TC CGTC T- - CAG	A
GAM2608	TAAGGTGCATC NEK2 TAGTGCAGTTA	NM_002497.1	3	AACCCAGTTAGAT GCAATTG	G - CA TAAG TGCAICTAG TG GTT GTTT ACGTAGATT AC CAA A G C-	A
GAM2608	TAAGGTGCATC NFIB TAGTGCAGTTA	NM_005596.1	3	TAACTGACTTTCT TA AGATGCCCTTAA	T TG--- AGG GCATCTAG CAGTTA TTC CGTAGATC GTCAAT AA - TTTC	A
GAM2608	TAAGGTGCATC NLGN1 TAGTGCAGTTA	NM_014932.2	3	TAACTGCAGTAAC T AGAAACCTTT	GCATC- G AAGGT TA TGCAGTTA TTCCA AT ACGTCAAT T AAGACA G	A
GAM2608	TAAGGTGCATC NOX4	NM_016931.2	3	AACGTGTTAGATGC	TA----- - GT	A

	TAGTGCAGTTA			ACACTGTTGAT	AG GTGCATCTA	GCAGTT	
					TC CACGTAGAT	TGTCAA	
					TAGTTG A	--	
GAM2608	TAAGGTGCATC NPY2R	NM_000910.2	3	TAAGTGCACCTGA	TA TCTA	G	A
	TAGTGCAGTTA			CTTCT	AGGTGCA	GTGCA TTA	
					TTCACGT	CACGT AAT	
				TC	----	G	
GAM2608	TAAGGTGCATC NR1I2	NM_003889.2	3	GAACCATTTACAT	CT-	CA A	A
	TAGTGCAGTTA			GCACCTTA	TAAGGTGCAT	AGTG GTT	
					ATTCCACGTA	TTAC CAA	
					CAT	-- G	
GAM2608	TAAGGTGCATC NR1I2	NM_033013.1	3	AACCATTTACATG	CT-	CA	A
	TAGTGCAGTTA			CACCTTA	TAAGGTGCAT	AGTG GTT	
					ATTCCACGTA	TTAC CAA	
					CAT	--	
GAM2608	TAAGGTGCATC NR1I2	NM_033013.1	5	AGCTGTGTAAGCA	ATCTA TG		A
	TAGTGCAGTTA			CCTTA	TAAGGTGC	G CAGTT	
					ATTCCACG	T GTCGA	
					AA---	GT	
GAM2608	TAAGGTGCATC OGN	NM_014057.2	3	TAAGTGCAAAATA	T TGCATCTAG		A
	TAGTGCAGTTA			TTTTCCTTT	AAGG	TGCAGTTA	
					TTCC	ACGTCAAT	
				T	TTTTATAAA		
GAM2608	TAAGGTGCATC OGN	NM_014057.2	3	TAAGTGCAGGAAT	T GCATCTAG		A
	TAGTGCAGTTA			TAAATCTTC	AAGGT	TGCAGTTA	
					TTCTA	ACGTCAAT	
				C	AATTAAGA		
GAM2608	TAAGGTGCATC OTX2	NM_021728.2	3	TGATTGTCCTAGA	TAA TG		A
	TAGTGCAGTTA			TGCACTACT	GGTGCATCTAG	CAGTTA	
					TCACGTAGATC	GTTAGT	
				TCA	CT		
GAM2608	TAAGGTGCATC PACSINI	NM_020804.1	3	AAGCTGGCAATCT	TCTAG -	A	A
	TAGTGCAGTTA			GCACCTTG	TAAGGTGCA	TGC AGTT	
					GTTCACGT	ACG TCGA	
					CIA--	G A	

GAM2608	TAAGGTGCATC PACSIN1 NM_020804.1	3	AGCTGGCAATCTG	TCTAG	-	A
	TAGTGCAGTTA		CACCTTG	TAAGGTGCA	TGC AGTT	
				GTTCACGT	ACG TCGA	
				CTA--	G	
GAM2608	TAAGGTGCATC PAG NM_018440.2	3	TGACATCCCTTAT	ATC	TGCA-	A
	TAGTGCAGTTA		AGGCACCTTA	TAAGGTGC	TAG GTTA	
				ATTCCACG	ATT CAGT	
				GAT	TCCTA	
GAM2608	TAAGGTGCATC PDE4D NM_006203.1	3	AATTTTACTTGCA	TCT	C	A
	TAGTGCAGTTA		CCTTA	TAAGGTGCA	AGTG AGTT	
				ATTCCACGT	TCAT TTAA	
				---	T	
GAM2608	TAAGGTGCATC PDE4D NM_006203.1	3	GAATTTTACTTGC	TCT	C A	A
	TAGTGCAGTTA		ACCTTA	TAAGGTGCA	AGTG AGTT	
				ATTCCACGT	TCAT TTAA	
				---	T G	
GAM2608	TAAGGTGCATC PDGFRB NM_002609.2	3	ACCCTGCATTGCA	--	-- TTA	A
	TAGTGCAGTTA		GGTTGGCACCTTA	TAAGGTGC	ATCT AGTGCAG	
				ATTCCACG	TGGA TTACGTC	
				GT	CG CCA	
GAM2608	TAAGGTGCATC PELO NM_015946.3	3	TGGCTACACTAGA	GC	C	A
	TAGTGCAGTTA		TATTTTG	TAAGGT	ATCTAGTG AGTTA	
				GTTTTA	TAGATCAC TCGGT	
				--	A	
GAM2608	TAAGGTGCATC PELO NM_015946.3	5	GACTCGCCACCAC T-----	CT	---- -	A
	TAGTGCAGTTA		TCTGTGCACCTTC	AAGGTGCAT	AGT GC AGT	
			TTGAG	TTCCACGTG	TCA CG TCA	
			GAGTTC	TC	CCAC C	
				T		
				G		
GAM2608	TAAGGTGCATC PIAS3 NM_006099.2	3	TGGCTCAITCTGC T	TCT	C	A
	TAGTGCAGTTA		ACCTTT	AAGGTGCA	AGTG AGTTA	

					TTCCACGT	TTAC	TCGGT		
					T	C--	-		
GAM2608	TAAGGTGCATC PIR51	NM_006479.2	3	TAGCTTTGTCTAG	AT----	TGC-		A	
	TAGTGCAGTTA			TTTATAGCACCTT	TAAGGTGC	CTAG	AGTTA		
				A	ATTCCACG	GATC	TCGAT		
					ATATTT	TGTT			
GAM2608	TAAGGTGCATC PITPN	NM_006224.2	3	ACTGTAGCTAATT T	T	-----	TA	A	
	TAGTGCAGTTA			CTAGATGCCCTTC	AAGG	GCACTAG	TGCAGT		
					TTCC	CGTAGATC	ATGTCA		
				C	-	TTAATCG	--		
GAM2608	TAAGGTGCATC PITPN	NM_006224.2	3	ACTGTAGCTAATT T-----	T	-----	A		
	TAGTGCAGTTA			CTAGATGCCCTTC	AAGG	GCACTAG	TGC		
				AGTATT	TTCC	CGTAGATC	ATG		
					TTATGAC	-	TTAATCG		
					T				
					AGT				
					TCA				
					-				
GAM2608	TAAGGTGCATC PKNOXL	NM_004571.2	3	CCACTGCATCCA	CATCT	TA		A	
	TAGTGCAGTTA			TCTTG	TAAGGTG	AGTGCAGT			
					GTCTTAC	TCAAGTCA			
					C----	CC			
GAM2608	TAAGGTGCATC PTGFRN	NM_040709.3	3	TGGCTCTCCACTG	A	T	C--	A	
	TAGTGCAGTTA			AGCACCTTA	TAAGGTGC	TC	AGTG	AGTTA	
					ATTCCACG	AG	TCAC	TCGGT	
					-	-	CTC		
GAM2608	TAAGGTGCATC PTPRCAP	NM_005608.1	5	AATGGCTCTGCC	TC-	T	A	A	
	TAGTGCAGTTA			TGCACCTTA	TAAGGTGCA	TAG	GC	GTT	
					ATTCCACGT	GTC	CG	TAA	
					CCC	T	G		
GAM2608	TAAGGTGCATC PVR	NM_006505.2	3	AACTACTAGATG	GT-	GC	A	A	
	TAGTGCAGTTA			TGAACTTG	TAAG	GCACTAGT	AGTT		
					GTTC	TGTAGATCA	TCAA		
					AAG	--	A		
GAM2608	TAAGGTGCATC PVR	NM_006505.2	3	AACTACTAGATGT	GT-	GC		A	

	TAGTGCAGTTA			GAACCTTG	TAAG	GCATCTAGT	AGTT	
					GTTC	TGTAGATCA	TCAA	
					AAG	--		
GAM2608	TAAGGTGCATC RAB30	NM_014488.2	3	AATTGCACTAGGC	TAA-----	AT		A
	TAGTGCAGTTA			ACTCCATGATCTG		GGTGC	CTAGTGCAGTT	
						TCACG	GATCAGCTTAA	
					GTCTAGTACC	--		
GAM2608	TAAGGTGCATC RAB5A	NM_004162.3	3	AACTAATAAATGC		C	GTGC	A
	TAGTGCAGTTA			ACCTTA	TAAGGTGCAT	TA	AGTT	
					ATTCCACGTA	AT	TCAA	
					A	AA--		
GAM2608	TAAGGTGCATC RAB5A	NM_004162.3	3	GAAC TAATAAATG		C	GTGC	A
	TAGTGCAGTTA			CACCTTA	TAAGGTGCAT	TA	AGTT	
					ATTCCACGTA	AT	TCAA	
					A	AA--	G	
GAM2608	TAAGGTGCATC RAP1GA1	NM_002885.1	3	GACTGTGATTACA	TA-----	C	-	A
	TAGTGCAGTTA			TGCACCTGCCTTA		AGGTGCAT	TAGT	GCAGTT
				G		TCCACGTA	ATT	TGTCAG
					GATTCCG	C	G	
GAM2608	TAAGGTGCATC RNF18	NM_020358.1	5	GACTGCACTTAGA		--	-	A
	TAGTGCAGTTA			ACTGCATTTTG	TAAGGTGCA	TCTA	GTGCAGTT	
					GTTTTACGT	AGAT	CACGTCAG	
					CA	T		
GAM2608	TAAGGTGCATC RNF18	NM_020358.1	5	GGACTGCACCTTAG		--	-	A
	TAGTGCAGTTA			AACTGCATTTTG	TAAGGTGCA	TCTA	GTGCAGTT	
					GTTTTACGT	AGAT	CACGTCAG	
					CA	T	G	
GAM2608	TAAGGTGCATC ROCK2	NM_004850.2	3	AGACTGTAGATGC		AGT	A	A
	TAGTGCAGTTA			ATTTTA	TAAGGTGCATCT	GCAGTT		
					ATTTTACGTAGA	TGTCAG		
					---	A		
GAM2608	TAAGGTGCATC ROCK2	NM_004850.2	3	GACTGTAGATGCA		AGT		A
	TAGTGCAGTTA			TTTTA	TAAGGTGCATCT	GCAGTT		

ATTTTACGTAGA TGTACG

GAM2608 TAAGGTGCATC SFRP1 NM_003012.2 3 AGCTGCACTATCA T---- GCATC- A
TAGTGCAGTTA CGAGCCITTGTTT AAGGT TAGTGCAGTT
TTCCG ATCACGTCGA
TTTGT AGCACT

GAM2608 TAAGGTGCATC SH3BP2 NM_003023.2 3 TGATTTTCTTAG ATCT TGC A
TAGTGCAGTTA CACCTTA TAAGGTGC AG AGTTA
ATTCCACG TC TTAGT
AT-- TTT

GAM2608 TAAGGTGCATC SH3BP4 NM_014521.1 3 AACAAAACCAATT T A GCA A
TAGTGCAGTTA GCACCTTA TAAGGTGCA CT GT GTT
ATTCCACGT GA CA CAA
T C AAA

GAM2608 TAAGGTGCATC SH3BP5 NM_004844.1 3 ATGCTGCACTAGT TGCAT TA A
TAGTGCAGTTA ATTCCTTA TAAGG CTAGTGCAGT
ATTCC GATCAGTCG
TTAT- TA

GAM2608 TAAGGTGCATC SH3BP5 NM_004844.1 3 TGCTGCACTAGTA TGCAT T A
TAGTGCAGTTA TTCCTTA TAAGG CTAGTGCAGT
ATTCC GATCAGTCG
TTAT- T

GAM2608 TAAGGTGCATC SHMT1 NM_004169.3 5 TGGCGCGCAGAGT T - A A A
TAGTGCAGTTA GCACCTTC AAGGTGCA TCT GTGC GTTA
TTCCACGT AGA CGCG CGGT
C G - -

GAM2608 TAAGGTGCATC SHMT1 NM_148918.1 5 TGGCGCGCAGAGT T----- - A A A
TAGTGCAGTTA GCACCTTCCTGAG AAGGTGCA TCT GTGC GTT
CTC TTCCACGT AGA CGCG CGS
CTCGAGTCC G - -

A

T

GAM2608	TAAGGTGCATC SIM2	NM_005069.2	3	ACACTGTCAATGG ACTGCACCTTG TAAGGTGCA TCTA TG CAGT GTTCCACGT AGGT AC GTCA C A T CA	A
GAM2608	TAAGGTGCATC SIM2	NM_005069.2	3	CACTGTCAATGGA CTGCACCTTG TAAGGTGCA TCTA TG CAGT GTTCCACGT AGGT AC GTCA C A T C	A
GAM2608	TAAGGTGCATC SLC22A7	NM_153320.1	3	TGACTGCACCTGGT TAA G T GGGCCGGC GGT CA CTAGTGCAGTTA CCG GT GGTCAAGTCAGT CGG G -	A
GAM2608	TAAGGTGCATC SNX13	NM_015132.2	3	TAACTGCAGAAAT GG ATCTAG AGCAAAATTA TAA TGC TGCAGTTA ATT ACG ACGTCAAT AA ATAAG	A
GAM2608	TAAGGTGCATC SORCS3	NM_014978.1	3	AACTGCACCTAGTG TAA-- ---- T TTTATACCGCAA GGT GCA CTAGTGCAGTT CCA TGT GATCAGTCAA AAGCA TATT -	A
GAM2608	TAAGGTGCATC SP3	XM_092672.2	3	TAACTGCAGCAGT TA CAT AG TCACCTAT AGGTG CT TGCAGTTA TCCAC GA ACGTCAAT TA TT- CG	A
GAM2608	TAAGGTGCATC STAM	NM_003473.2	3	TAACTGCATTAGT TAA G T GGCCATT GGT CA CTAGTGCAGTTA CCG GT GATTACGTCAAT TTA - -	A
GAM2608	TAAGGTGCATC STAM	NM_003473.2	3	TAACTGCATTAGT TAA----- G T GGCCATTITGAAT GGT CA CTAGTGCAGTTA C CCG GT GATTACGTCAAT CTAAGTTTAA - -	A
GAM2608	TAAGGTGCATC STAT1	NM_007315.2	3	TAACTGCATTGAG TAAG -- - AACTGCATAITGT GTGCA TCT AGTGCAGTTA	A

					TACGT	AGA	TTACGTCAAT		
					TGTA	CA	G		
GAM2608	TAAGGTGCATC STAT1 TAGTGCAGTTA	NM_007315.2	3	TAAGTGCATTGAG TAAG-- AACTGCATAITGTT T	--	-		A	
					TTTGTGTA	CA	G		
GAM2608	TAAGGTGCATC STK24 TAGTGCAGTTA	NM_003576.2	3	TTTCTGTTGCACC TTG	TCTAGT	TTA		A	
					TAAGGTGCA	GCAG			
					GTTCCACGT	TGTC			
					-----	TTT			
GAM2608	TAAGGTGCATC TTC3 TAGTGCAGTTA	NM_003316.2	3	TAAGTGCATTAGA TAA AACCATG	GCA			A	
					GGT	TCTAGTGCAGTTA			
					CCA	AGATTACGTCAAT			
					GTA	A--			
GAM2608	TAAGGTGCATC TTID TAGTGCAGTTA	NM_006790.1	3	TAAGTGCAGAAGA CTATCTTA	CA	AG		A	
					TAAGGTG	TCT	TGCAGTTA		
					ATTCTAT	AGA	ACGTCAAT		
					C-	AG			
GAM2608	TAAGGTGCATC TXK TAGTGCAGTTA	NM_003328.1	3	TAGCTCTTTACAG T AAAATGCACCTTT	---	A	C--	A	
					AAGGTGCA	TCT	GTG	AGTTA	
					TTCACGT	AGA	CAT	TCGAT	
					T	AAA	-	TTC	
GAM2608	TAAGGTGCATC UBE3A TAGTGCAGTTA	NM_000462.2	3	TAAGTGCAGCCCT CAGAACTTTA	GCA	-	---	A	
					TAAGGT	TCT	AG	TGCAGTTA	
					ATTCA	AGA	TC	ACGTCAAT	
					---	C	CCG		
GAM2608	TAAGGTGCATC USH2A TAGTGCAGTTA	NM_007123.3	3	AGACTGGCTGCTG ATGCACCTTG	T	-	-	A	A
					TAAGGTGCATC	AGT	GC	AGTT	
					GTTCCACGTAG	TCG	CG	TCAG	
					-	T	G	A	
GAM2608	TAAGGTGCATC USH2A TAGTGCAGTTA	NM_007123.3	3	GACTGGCTGCTGA TGCACCTTG	T	-	-	A	A
					TAAGGTGCATC	AGT	GC	AGTT	
					GTTCCACGTAG	TCG	CG	TCAG	
					-	T	G		

GAM2608	TAAGGTGCATC WHSC1	NM_133334.1	3	TAACTGATAGATG TAA	GTG	A
	TAGTGCAGTTA			CATTAGA	GGTGCATCTA CAGTTA	
					TTACGTAGAT GTCAAT	
				AGA	A--	
GAM2608	TAAGGTGCATC YWHAB	NM_139323.2	3	TAACTGCACTCCA TA	GCATCT	A
	TAGTGCAGTTA			GCCTGG	AGGT AGTGCAGTTA	
					TCCG TCACGTCAAT	
				GG	ACC---	
GAM2608	TAAGGTGCATC ZNF195	NM_007152.1	3	AATTATACTAGAT	GTG-- C	A
	TAGTGCAGTTA			GGAAGACTTG	TAAG CATCTAGTG AGTT	
					GTTC GTAGATCAT TTAA	
				AGAAG	A	